



My NCBI [\[Sign In\]](#) [\[Register\]](#)

[PubMed](#) [Nucleotide](#) [Protein](#) [Genome](#) [Structure](#) [PMC](#) [Taxonomy](#) [OMIM](#) [Books](#)

Search for

Limits Preview/Index History Clipboard Details

Display Show

Range: from to ☐ Reverse complemented strand Features: ☐

☐ 1: [BC029520](#) Reports [Homo sapiens WD r...\[gi:20810486\]](#) [Links](#)

LOCUS BC029520 1564 bp mRNA linear PRI 28-JUL-2005
DEFINITION Homo sapiens WD repeat, SAM and U-box domain containing 1, mRNA (cDNA clone MGC:33855 IMAGE:5301559), complete cds.
ACCESSION BC029520
VERSION BC029520.1 GI:20810486
KEYWORDS MGC.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1564)
AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G., Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D., Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K., Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F., Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L., Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L., Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalón,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Kettelman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M., Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E., Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.
CONSRTM Mammalian Gene Collection Program Team
TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
PUBMED 12477932
REFERENCE 2 (bases 1 to 1564)
AUTHORS .
CONSRTM NIH MGC Project
TITLE Direct Submission
JOURNAL Submitted (01-MAY-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Bethesda, MD 20892-2590, USA
REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>
COMMENT Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI) & Shiraki

Toshiyuki and Piero Carninci (RIKEN)
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Sequencing Group at the Stanford Human Genome
 Center, Stanford University School of Medicine, Stanford, CA 94305
 Web site: <http://www-shgc.stanford.edu>
 Contact: (Dickson, Mark) mcd@paxil.stanford.edu
 Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
 R. M.

Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
 Series: IRAK Plate: 48 Row: o Column: 11
 This clone was selected for full length sequencing because it
 passed the following selection criteria: matched mRNA gi: 22749102.

FEATURES	Location/Qualifiers
source	1..1564 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="MGC:33855 IMAGE:5301559" /tissue_type="Brain, hypothalamus" /clone_lib="NIH_MGC_96" /lab_host="DH10B" /note="Vector: pBluescriptR"
<u>gene</u>	1..1564 /gene="WDSUB1" /note="synonyms: FLJ36175, UBOX6" /db_xref="GeneID:151525"
<u>CDS</u>	146..1300 /gene="WDSUB1" /codon_start=1 /product="WDSUB1 protein" /protein_id="AAH29520.1" /db_xref="GI:20810487" /db_xref="GeneID:151525" /translation="MVKLIHTLADHGDDVNCCAFSFSLLATCSLDKTIRLYSLRDFTE LPHSPLKFHTYAVHCCCFSPSGHILASCSTDGTTVLWNTENGQMLAVMEQPSGSPVRV CQFSPDSTCLASGAADGTVVLWNAQSYKLYRCGSVKDGSAAACAFSPNGSFFVTGSSC GDLTVWDDKMRCLHSEKAHDLGITCCDFSSQPVSDGEQGLQFFRLASCGQDCQVKIWI VSFTDILARRTEHQLKQFTEDWSEEDVSTWLCAQDLKDLVGI FKMNNIDGKELNLTK ESLADDLKIESLGLRSKVLRLKIEELRTKVKSLSSGIPDEFICPITRELMKDPVIASDG YSYEKEAMENWISKKKRTSPMTNLVLPASVLT PNRTLKMAINRWLETHQK"
<u>misc_difference</u>	663 /gene="WDSUB1" /note="'T' in cDNA is 'C' in the human genome; amino acid difference: 'L' in cDNA, 'P' in the human genome. The chimpanzee genome agrees with the cDNA sequence, suggesting that this difference is unlikely to be due to an artifact; Differences found between this sequence and the human reference genome (build 35) are described in misc_difference features below and these differences were also compared to chimpanzee genomic sequences available as of 09/15/2004 00:00:00"
<u>misc_difference</u>	812 /gene="WDSUB1" /note="'G' in cDNA is 'C' in the human genome; amino acid difference: 'D' in cDNA, 'H' in the human genome. The chimpanzee genome agrees with the human genomic sequence and not the cDNA; Differences found between this sequence and the human reference genome (build 35) are described in

misc_difference features below and these differences were also compared to chimpanzee genomic sequences available as of 09/15/2004 00:00:00"

misc_difference 1536..1564

/gene="WDSUB1"

/note="polyA tail: 29 bases do not align to the human genome; Differences found between this sequence and the human reference genome (build 35) are described in misc_difference features below and these differences were also compared to chimpanzee genomic sequences available as of 09/15/2004 00:00:00"

ORIGIN

```
1 ctgttccctc tgctctgggt ctccgccggc gccgcgcccg ccagcctcac ctgcgcggca
61 cgtgaccgcg accgcccgtg ggcaccttga aggcggatcc cgcgcgcccc cgctcctgca
121 ggctgttttt cttcaaataa agaacatggt gaaactgatt cacacattag ctgatcatgg
181 tgacgatgtc aactgctgtg ctttctcctt ttccctcttg gctacttgct ccttggaaca
241 aacaattcgc ctgtactcgt tacgtgactt tactgaactg ccacattctc cattgaagtt
301 tcataacctat gctgtccact gctgctgttt ctccccttca ggacatattt tggcatcgtg
361 ttcaacagat ggtaccactg tcctatggaa tactgaaaat ggacagatgc tggcagtgat
421 ggaacagcct agtggcagcc ctgtgagggt ttgccagttt tcccagact ccacgtgttt
481 ggcatcaggg gcagctgatg gaactgtggt tttgtggaat gcacagtcac acaaattata
541 tagatgtggt agtggttaaag atggctcctt ggccgcatgt gcattttctc ctaatggaag
601 cttctttgtc actggctcct catgtgtgga tttaacagtg tgggatgata aaatgaggtg
661 tctgcatagt gaaaaagcac atgatcttgg aattacctgc tgcgattttt cttcacagcc
721 agtttctgat ggagaacaag gtcttcagtt ttttcgactg gcatcatgtg gtcaggattg
781 ccaagtcaaa atttggattg tttcttttac cgatatctta gcaaggcgca cagaacatca
841 gctgaagcaa tttaccgaag attggtcaga ggaggatgtc tcaacatggc tttgtgcaca
901 agatttaaaa gatcttggtg gtattttcaa gatgaataac attgatggaa aagaactgtt
961 gaatcttaca aaagaaagtc tggctgatga tttgaaaatt gaatctctag gactgcgtag
1021 taaagtgtctg aggaaaattg aagagctcag gaccaagggt aaatcccttt cttcaggaat
1081 tcctgatgaa tttatatgtc caataactag agaacttatg aaagatccgg tcatcgcatc
1141 agatggctat tcatatgaaa aggaagcaat ggaaaattgg atcagcaaaa agaaacgtac
1201 aagtcccatg acaaatcttg ttcttccttc agcgggtactt acaccaataa ggactctgaa
1261 aatggccatc aatagatggc tggagacaca ccaaaagtaa aattgttgat attgtattat
1321 ttatattttc agtgatctca tttgaatgat ttataggtaa atactaatca gacattatta
1381 aaagcaaaaac aggaaaaagg taaacttctt aaatttagtt acctataaaa attgtcaatt
1441 ttcattcttt aaaaaacaca tggacttact ataaaagcct tttgtacta gtgaaaagaa
1501 tcttcagcta tatagaaata aagttatact ttaaaaaaaa aaaaaaagaa aaaaaaaaaa
1561 aaaa
```

//

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

Dec 1 2005 15:15:38